

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Anthony J.F. D'Apice et al. Art Unit : 1633  
 Serial No. : 08/984,900 Examiner : S. Chen  
 Filed : December 4, 1997  
 Title : MATERIALS AND METHODS FOR MANAGEMENT OF HYPERACUTE REJECTION IN HUMAN XENOTRANSPLANTATION

Assistant Commissioner for Patents  
 Washington, D.C. 20231

AMENDMENT AND RESPONSE

In response to the Office Action mailed October 1, 1999, Applicants submit the following amendments and remarks.

Kindly amend the application as follows:

In the Claims:

[68] 69. (Amended) The porcine cell of claim 67, wherein the disruption is by the insertion of an exogenous sequence into said gene such that the disruption prevents expression of functional  $\alpha$ -1,3 galactosyltransferase.

[69] 70. (Amended) The porcine cell of claim 68, wherein said disruption is within exon 4, exon 7, exon 8, or exon 9 of the porcine  $\alpha$ -1,3 galactosyltransferase gene.

[70] 71. (Amended) The porcine cell of claim 68, wherein said exogenous sequence is a selectable marker.

[71] 72. (Amended) The porcine cell of claim 70, wherein said selectable marker is selected from the group consisting of the  $neo^R$  gene and the  $hyg^R$  gene.

[72] 73. (Amended) The porcine cell of claim 68, wherein said exogenous sequence is flanked at its 5' and 3' ends by FRT DNA elements, and wherein stop codons have been inserted

CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

November 2, 1999

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